

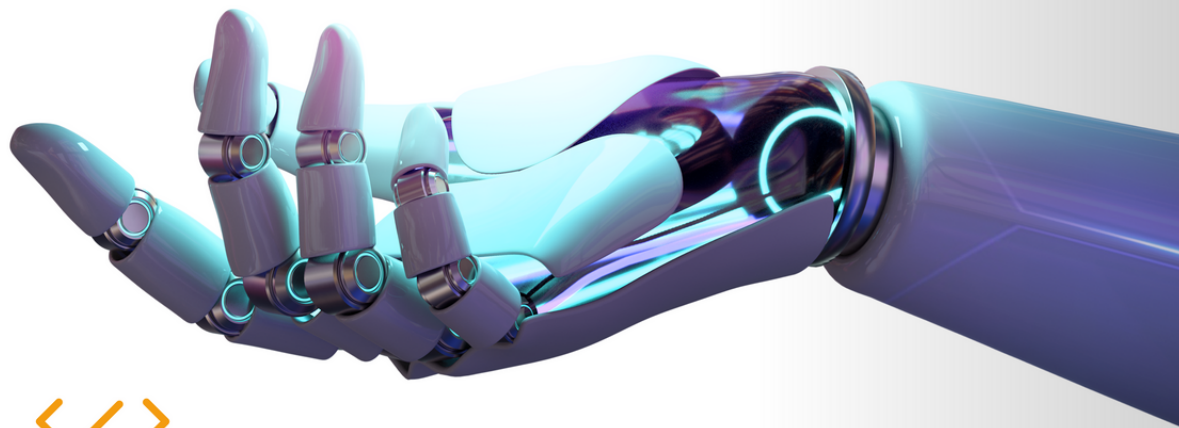


Shri Guru Gobind Singhji Institute of Engineering and Technology ,
Nanded-431606 [M.S] INDIA
(An Autonomous Institute of Govt. of Maharashtra)



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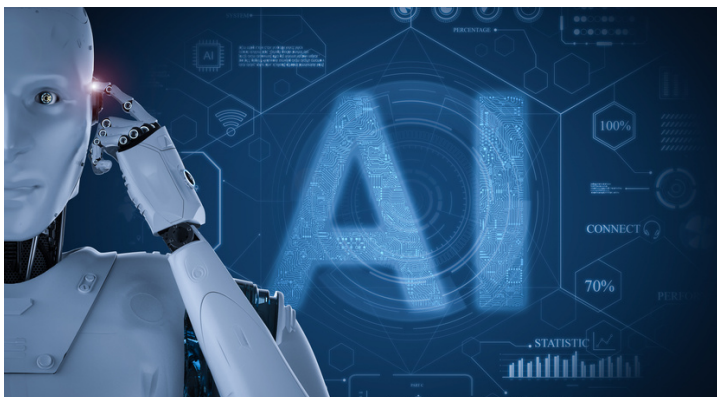
The Official Technical Magazine of
SGGSIE&T



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“Scientists study the world as it is; engineers create the world that has never been.”

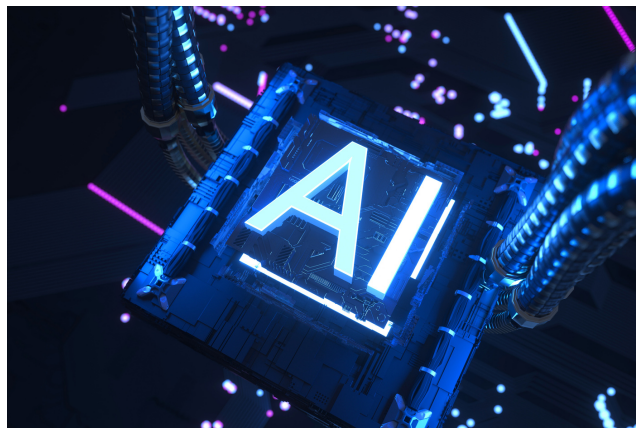
-Theodore von Karman

06 POPULAR PROGRAMMING CERTIFICATION

Programming is at the core of software development, which is why there is a huge demand for programmers. In today's world, just about everything is getting automated and digitization has become the new normal.

ARTIFICIAL INTELLIGENCE (AI) IN TRADING

AI is being used extensively in trading technology to analyze market trends and predict stock prices.



In 2023, we can expect AI to become even more advanced and sophisticated, with trading algorithms being developed that use machine learning to make more accurate predictions.

BLOCKCHAIN TECHNOLOGY

Blockchain technology, which is most commonly associated with cryptocurrencies, is expected to expand beyond finance and into other industries, such as healthcare, supply chain management, and digital identity management.

Blockchain technology has already made significant advancements in the financial sector, and it is expected to continue to do so in the coming years. With its decentralized and secure nature, blockchain technology can be used to enhance the efficiency and transparency of trading systems.

INTERNET OF THINGS (IOT)

The IoT refers to the interconnected network of physical devices, vehicles, buildings, and other objects that are embedded with sensors, software, and network connectivity. It is expected to continue to grow, particularly in the areas of smart homes, smart cities, and industrial IoT.



5G TECHNOLOGY

The fifth generation of wireless technology, or 5G, is expected to revolutionize the way we connect and communicate with one another. It will enable faster download and upload speeds, lower latency, and the ability to support more connected devices.



ChatGPT4 Released!

OpenAI, the company behind the viral chatbot ChatGPT, has announced the release of GPT-4 on March 14. Sam Altman, OpenAI's CEO, said on Twitter that GPT-4 was the “most capable and aligned” model yet, though “it is still flawed”.



He added that it is “more creative than previous models, it hallucinates significantly less, and it is less biased”.

GPT stands for **Generative Pre-trained Transformer** which is a type of large language model (LLM) neural network that can perform various natural language processing tasks such as answering questions, summarising text and even generating lines of code. Large language models use a technique called deep learning to produce text that looks like it is produced by a human.

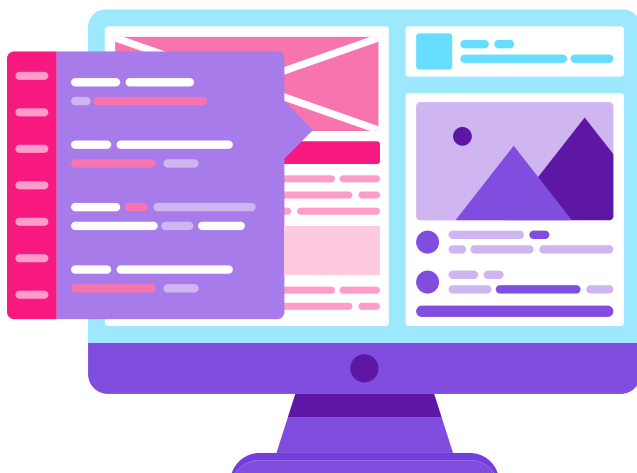
ChatGPT is an AI chatbot application that uses GPT-3 and GPT-4's language models that people can interact with. If ChatGPT was a car, then GPT-3 or GPT-4 would be the engine that powers it.

GPT-4 is the successor to GPT-3. Launched on March 14, OpenAI says this latest version can process up to 25,000 words – about eight times as many as GPT-3 – process images and handle much more nuanced instructions than GPT-3.5. OpenAI says “GPT-4 can tasks that require advanced reasoning, complex instruction understanding and more creativity”.

GPT-4’s multimodal feature allows users to upload images and generates captions, classifications and analyses.

Highlighted features

- Creates Website
- Code Video Games
- Describes images and generate recipes.



Websites Every Student Must Know

National Programme on Technology Enhanced Learning (NPTEL): This is a joint initiative by the Indian Institutes of Technology (IITs) and the Indian Institute of Science (IISc) that provides free online courses in various engineering, science, and humanities disciplines.

Website Link:- <https://nptel.ac.in/>

IndiaBix: This is a website that provides free online aptitude tests and practice questions for students preparing for competitive exams such as the Common Admission Test (CAT), the Graduate Aptitude Test in Engineering (GATE), and the Indian Administrative Service (IAS) exams.

Website Link:- <https://www.indiabix.com/>

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“Scientists study the world as it is; engineers create the world that has never been.”

-Theodore von Karman

#QUOTES TO INSPIRE YOU

”

“As engineers, we were going to be in a position to change the world – not just study it.”

—Henry Petroski

POPULAR PROGRAMMING CERTIFICATION

Programming is at the core of software development, which is why there is a huge demand for programmers. In today's world, just about everything is getting automated and digitization has become the new normal.

Having a software development, web development, or programming certification will give you an upper hand at the time of recruitment and make you a better fit for the job role in which you have an interest. A certification from a reputed accreditation body will validate your skills and make you stand out among your peers.



What are Programming certifications?

Programming certifications are exam-oriented and verify your skill and expertise in that field. In general terms, they are designed to prepare you for an entry-level position as a programmer. Here are the most popular certifications for a programmer.

AWS Certified Developer Associate

AWS is the top cloud platform service available. This certification showcases knowledge and understanding of core AWS services, uses, and basic AWS architecture best practices, and proficiency in developing, deploying, and debugging cloud-based applications by using AWS. Organizations with AWS Certified developers have the assurance of having the right talent to give them a competitive advantage and ensure stakeholder and customer satisfaction.



CompTIA Security+

Cybersecurity is a big concern today, and there's enormous demand (and a persistent skill gap) for cybersecurity professionals. CompTIA, short for Computing Technology Industry Association, is the world's leading provider of vendor-neutral IT certifications.

CompTIA Security+ certification is trusted and accepted worldwide, and validates foundational, vendor-neutral IT security knowledge and skills. This certification training covers the essential principles of network security and risk management, offering a benchmark for IT security and risk management best practices.



SMARTPHONE RELEASING SOON

Vivo s16

Processor: Snapdragon 870 Octa Core

RAM: 8GB

Camera: 64MP + 8MP + 2MP Triple Rear Camera, 50MP Front Camera

Battery: 4600mAh, 50% charging in 19 min (Claimed by brand)

Display: 6.78 inches AMOLED display

Storage: 128 GB, Non-Expandable Memory

O.S: Android v13

Expected Price: 29,690rs

Expected Launch Date: April 2023



Realme GT Neo 5 5G

Processor: Qualcomm Snapdragon 8 Plus Gen 1

RAM: 8GB/16GB

Camera: Rear Camera:

50MP Wide Angle Primary Camera

8MP Ultra-Wide Angle Camera, 2MP Camera 4K @30 fps Video Recording

Front Camera:

16MP Wide Angle Lens

Full HD @30 fps Video Recording

Battery: 5000mAh, 150W Super VOOC charging, C Type

Display: 6.74 inches AMOLED, 144Hz Refresh Rate

Storage: 256GB, Non-Expandable Memory

O.S: Android v13

Expected Price: starting 30,999rs (Depends on variant)

Expected Launch Date: April-May 2023

(No removable storage)



OnePlus Ace 2V

Processor: MediaTek Dimensity 9000 MT6893

RAM: 12GB

Camera: 64MP + 8MP + 2MP Triple Rear Camera, 16MP Front Camera

Battery: 5000mAh, 80W Super VOOC

Display: 6.74 inches AMOLED display

Storage: 256 GB, Non-Expandable Memory

O.S: Android v13

Expected Price: 27,190rs

Expected Launch Date: July 2023



OPPO A1 Pro

Processor: Qualcomm Snapdragon 695 Octa Core

RAM: 8GB

Camera: Rear Camera:

Dual Camera Setup

108MP Wide Angle

Primary Camera

2MP Depth Camera

Front Camera:

16MP Wide Angle Lens

Battery: 4800mAh, 67W Super

VOOC Charging, C type

80% in 30 mins

Display: 6.7 inches OLED display, 120Hz Refresh Rate

Storage: 128 GB, Expandable upto 1TB

O.S: Android v13

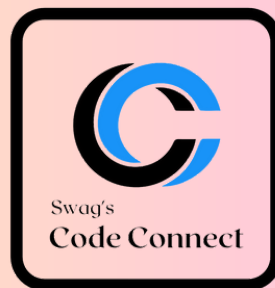
Expected Price: 20,690rs

Expected Launch Date: April 2023



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